

Product datasheet for **RG222661**

TFIIS (TCEA2) (NM_003195) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TFIIS (TCEA2) (NM_003195) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TFIIS
Synonyms:	TFIIS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG222661 representing NM_003195 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATGGCAAGGAAGAGGAGATTGCGCGGATCGCCGGAGGCTGGACAAGATGGTGACCAAGAAGAGCG
CGGAGGGAGCCATGGATTTGCTGCGGGAGCTGAAGGCCATGCCTATCACGCTGCACCTGCTCCAGTCCAC
CCGAGTCGGGATGTCTGTCAACGCCCTTCGGAAGCAGAGCTCGGATGAGGAGGTCATTGCACTGGCCAAG
TCTCTCATCAAGTCTGGAAGAAGCTCCTGGATGCTTCCGATGCCAAAGCCAGGGAGCGGGGAGGGGCA
TGCTCTGCCACGTCTCGAGGGATGCCTCAGAGGCCCGGATCCAGCCGCAAGAGGCCGGAGCTGCC
CAGGGCACCGTCGACTCCGAGGATCACCATTTCCCTCCGGTGCCTGTACCTGTGATGCCGTGCGCAAC
AAGTGCCGCGAGATGCTGACCGCTGCCCTGCAGACGGACCATGACCACGTGGCCATCGGTGCGGACTGCG
AGCGCCTGTGCGCTCAGATCGAGGAATGCATCTCCGGGACGTTGAAACACAGACATGAAGTATAAGAA
CCGTGTACGGAGTCGTATCTCCAACCTGAAGGATGCCAAGAACCCTGACCTGCGGCGGAATGTGCTGTGT
GGGGCCATAACACCCAGCAGATCGCTGTGATGACCTCAGAGGAGATGGCCAGTGATGAGCTGAAGGAGA
TCCGTAAGGCCATGACCAAGGAGGCCATCCGAGAGCACCAGATGGCCCGCACTGGCGGCACGCAGACAGA
CCTGTTACCTGCGGCAAGTGCAGGAAAAAGAACTGCACCTACACACAGGTGCAGACCCGACCTCTGAT
GAGCCCATGACCACCTTTGTTGTCTGCAACGAGTGTGAAACCGCTGGAAGTTCTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG222661 representing NM_003195
 Red=Cloning site Green=Tags(s)

MMGKEEEIARIARRLDKMTKSAEGAMDLLRELKAMPITLHLLQSTRVGMVSNALRKQSSDEEVIALAK
 SLIKSWKLLLDASDAKARERGRGMPLPTSSRDASEAPDPSRKRPELPRAPSTPRITTFPPVPVTCDAVRN
 KCREMLTAAALQTDHHDVAIGADCERLSAQIEECIFRDVGNTDMKYKNRVSRI SNLKDAKNPDLRRNVLC
 GAITPQQIAVMTSEEMASDELKEIRKAMTKEAIREHQMARTGGTQDRLFCTGKCRKKNCTYTQVQTRSSD
 EPMTTFVVCNECGNRWKFC

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_003195

ORF Size: 897 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_003195.6](#)

RefSeq Size: 1749 bp

RefSeq ORF: 900 bp

Locus ID: 6919

UniProt ID: [Q15560](#)

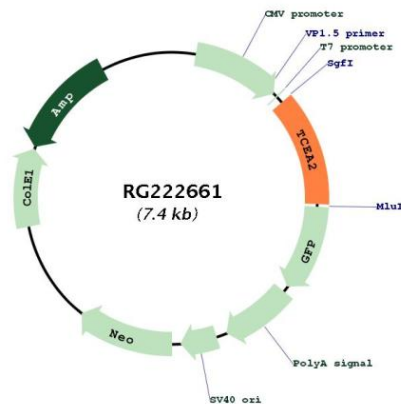
Cytogenetics: 20q13.33

Domains: TFIIS, TFS2N, TFS2M

Protein Families: Transcription Factors

Gene Summary: The protein encoded by this gene is found in the nucleus, where it functions as an SII class transcription elongation factor. Elongation factors in this class are responsible for releasing RNA polymerase II ternary complexes from transcriptional arrest at template-encoded arresting sites. The encoded protein has been shown to interact with general transcription factor IIB, a basal transcription factor. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG222661